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AUTHOR Landers, Wayne; Kangas, Jon
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ABSTRACT

In the San Jose/Evergreen Community College District in California, prerequisite levels have been established for almost all courses offered, though students may insist on taking classes above their prerequisite level. In an effort to validate the district's prerequisite system, a study was conducted comparing academic success rates of students who met all prerequisites before taking higher level courses in fall 1991, with success rates of students who took courses above their prerequisite level from spring 1989 through fall 1991. Results of the study included the following: (1) the overall success rate for all disciplines among students who met their prerequisites in fall 1991 was 67%; (2) the overall success rate for the 7,261 students who took courses above their prerequisite level was 50%; (3) students meeting all prerequisites had a 28% better chance of success than those taking courses above their prerequisite level; (4) for the 38 disciplines which had 30 or more students taking courses above their prerequisite level, 94% showed higher success rates for the students meeting prerequisites than those not meeting the prerequisites; (5) an analysis of the 38 disciplines indicated that meeting prerequisites was as important to student success in vocational courses as in nonvocational courses; and (6) of the 38 disciplines, only two revealed a small negative correlation between student success rate and having met prerequisites, while four disciplines showed negligible correlations between prerequisite completion and success. Detailed data tables, with results by discipline, are included. (PAA)

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San Jose/Evergreen Community College District

Success Rates for Students Meeting Prerequisites for Fall 1991

vs.

Those Who Insist on Taking a Class Above Their Prerequisite Level

Wayne Landers

Jon Kangas

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JC 930 160

SAN JOSE/EVERGREEN COMMUNITY COLLEGE DISTRICT
SUCCESS RATES FOR STUDENTS MEETING PREREQUISITES FOR FALL 1991
VS
THOSE WHO INSIST ON TAKING A CLASS ABOVE THEIR PREREQUISITE LEVEL
BY WAYNE LANDERS AND JON KANGAS 5/28/92

BACKGROUND

Students in the San Jose/Evergreen Community College District are allowed to insist on taking a class(es) above their prerequisite level(s). Prerequisite levels have been established for almost all courses in the district. Levels may be achieved through completion of basic skills course work or assessment results. The computer keeps track of each student who insists on taking a course above his or her prerequisite level.

One way of adding validity to the district's prerequisite system is to compare the success rates of those students who meet all prerequisites to those who insist on taking courses above their prerequisite level. The following research makes this comparison.

METHOD

For each discipline in the SJ/ECCD, the success rate was calculated for the Fall of 1991. Since the number of Student Insistence (SI) codes given per discipline is not great enough in a single year to provide adequate comparisons, the success rate by discipline for SI codes was accumulated from Spring 1989 through Fall 1991 (Table 1). The difference in percentage points for the cumulative SI success rate and the Fall 1991 success rate was calculated for all disciplines in which the number of SI codes given was 30 or greater (Table 2).

RESULTS

The overall Fall 1991 success rate with decisions made by the computer (for only non-SI students) for all disciplines in the district was 67%.

The overall success rate for all 7261 SI students from Spring 1989-Fall 1991 was 50%.

Students meeting all prerequisites had a 28% better chance of success than those insisting on taking a class(es) above their prerequisite level.

Of the 38 disciplines with a cumulative of 30 or more SI codes from Spring 1989 through Fall 1991, 94% had a higher percentage success rate for students meeting prerequisites compared to those insisting on taking classes above their prerequisite levels. The increased success ranged from -8 to 99%. Nineteen (19) of the 38 (50%) had a 30% (or greater) increased rate of success. The success rates for the 38 disciplines were as follows:

	F91	CUM SI			F91	CUM SI			F91	CUM SI			F91	CUM SI	
Course	#Suc	%Suc	*%Diff	Course	#Suc	%Suc	*%Diff	Course	#Suc	%Suc	*%Diff	Course	#Suc	%Suc	*%Diff
ECON	77	39	99	POLSC	64	43	48	ACCTG	58	46	26	BIOL	56	51	9
HIST	59	31	89	MUSIC	82	57	44	R EST	69	56	24	E S L	68	63	7
BUS	55	33	64	GUIDE	69	48	42	SP	64	52	23	CHEM	64	60	7
H ED	60	37	62	COM S	72	51	42	S L	63	55	14	AUTO	73	69	6
PHIL	73	47	56	CIS	68	49	38	PHYS	76	67	14	ART	72	69	4
DRAMA	80	51	56	DRAFT	78	57	37	AIR C	79	69	14	CNSTR	71	69	3
A J	67	43	56	WD PR	45	33	35	ENGR	63	56	13	I I	53	52	2
PSYCH	59	39	53	MATH	58	44	32	E C E	78	70	11	ENGL	49	52	-6
N S	46	30	52	ELECT	70	53	31	F C S	67	61	9	B I S	56	61	-8
SPAN	60	40	49	S SCI	65	52	26								

*The percentage points difference calculations were made using unrounded F91 and Cumulative SI numbers and may vary up to 4 percentage points from the calculations based on the whole numbers displayed in the table.

Research Report #144

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Among the 38 disciplines, meeting prerequisites related to success in General Education courses such as Political Science, History, Music, Social Science and Spanish, as well to success in vocationally-oriented courses such as Administration of Justice, Accounting, Business, and Real Estate.

Meeting prerequisites seems to be as important to success in vocational courses as it is to success in nonvocational courses. Students need basic skills in college level courses whether they are undertaking vocational or general education goals.

COMMENTS

In almost every course (94% of the time) students meeting prerequisite levels performed at higher levels than students who insisted on taking courses above their prerequisite levels. In 50% of these disciplines the differences were substantial, at 30% or above. Students who meet prerequisites in general have a 28% better chance of succeeding than those who insist on taking courses above their prerequisite level. These findings present very strong evidence that the prerequisite requirements (which include completion of basic skills courses, course prerequisites, as well as course placement based on test results) are well-thought-out and have a strong, positive relationship to student success.

Two disciplines (BIS and ENGL) revealed a small negative relationship between success and prerequisites. AUTO, ART, CNSTR, AND I I revealed very little difference between students meeting prerequisites and students insisting on by-passing them. In order to correct this situation, these disciplines may find it helpful to examine their prerequisites, their grading practices and the degree to which college level reading and written work are used in the classes.

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TABLE 2

PERCENTAGE DIFFERENCE BETWEEN STUDENT INSISTENCE (SI) SUCCESS RATES
AND DISCIPLINE TOTAL SUCCESS RATES FOR FALL 1991
WITH CUMULATIVE #SI 30 OR GREATER 5/28/92

		DISCIPLINE TOTALS			CUMULATIVE SI			
DISC	COLL	TOT#	#SUC	%SUC	#SI	#SUC	%SUC	%DIFF
ECON	DIST	694	535	77	49	19	39	99
HIST	DIST	2129	1254	59	272	85	31	89
BUS	DIST	1412	773	55	224	75	33	64
H ED	DIST	845	508	60	132	49	37	62
PHIL	DIST	676	494	73	32	15	47	56
DRAMA	DIST	340	272	80	37	19	51	56
A J	DIST	833	557	67	156	67	43	56
PSYCH	DIST	1163	685	59	187	72	39	53
N S	DIST	505	232	46	33	10	30	52
SPAN	DIST	778	458	60	67	27	40	49
POLSC	DIST	496	315	64	60	26	43	48
MUSIC	DIST	1895	1545	82	74	42	57	44
GUIDE	DIST	1265	871	69	66	32	48	42
COM S	DIST	690	495	72	75	38	51	42
CIS	DIST	2117	1445	68	302	149	49	38
DRAFT	DIST	45	35	78	37	21	57	37
WD PR	DIST	111	50	45	30	10	33	35
MATH	DIST	5393	3141	58	989	434	44	32
ELECT	DIST	669	465	70	131	70	53	31
S SCI	DIST	913	591	65	112	58	52	26
ACCTG	DIST	1222	703	58	161	74	46	26
R EST	DIST	459	317	69	106	59	56	24
SP	DIST	497	318	64	69	36	52	23
S L	DIST	189	120	63	38	21	55	14
PHYS	DIST	486	370	76	39	26	67	14
AIR C	DIST	291	231	79	55	38	69	14
ENGR	DIST	232	145	63	43	24	56	13
E C E	DIST	812	637	78	140	98	70	11
F C S	DIST	591	398	67	153	94	61	9
BIOL	DIST	441	249	56	35	18	51	9
E S L	DIST	5389	3650	68	657	417	63	7
CHEM	DIST	685	439	64	102	61	60	7
AUTO	DIST	697	508	73	84	58	69	6
ART	DIST	790	572	72	36	25	69	4
CNSTR	DIST	223	158	71	42	29	69	3
I I	DIST	124	66	53	48	25	52	2
ENGL	DIST	7953	3929	49	1868	976	52	-6
B I S	DIST	869	486	56	110	67	61	-8
TOTAL					6851	3464	51	31
TOTAL	EVC	28559	18117	63				
TOTAL	SJCC	29739	19929	67				
TOTAL	DIST	58298	38046	65	7287	3685	51	29

TABLE 3

PERCENTAGE DIFFERENCE BETWEEN STUDENT INSISTENCE (SI) SUCCESS RATES
AND DISCIPLINE TOTAL SUCCESS RATES FOR FALL 1991
WITH CUMULATIVE #SI UNDER 30 5/28/92

		Discipline Totals			Cumulative SI			
DISC	COLL	TOT#	#SUC	%SUC	#SI	#SUC	%SUC	%DIFF
DENT	DIST	478	449	94	4	1	25	276
ENGRT	DIST	41	25	61	8	2	25	144
HUMNT	DIST	288	199	69	24	8	33	107
C T	DIST	146	110	75	16	6	38	100
MKTG	DIST	173	120	69	25	9	36	92
JAPAN	DIST	84	51	61	22	7	32	92
L E	DIST	1061	1022	96	17	9	53	81
OCEAN	DIST	71	42	59	6	2	33	77
SOC	DIST	217	154	71	24	10	42	70
PHYSC	DIST	25	14	56	6	2	33	68
H SCI	DIST	396	353	89	11	6	55	63
M/S	DIST	449	392	87	18	10	56	57
CADD	DIST	335	260	78	12	6	50	56
NURS	DIST	639	530	83	29	16	55	50
ASTRO	DIST	214	96	45	20	6	30	50
LASER	DIST	37	20	54	8	3	38	44
GEOG	DIST	186	124	67	6	3	50	34
ANAT	DIST	135	76	56	7	3	43	31
GEOL	DIST	38	16	42	3	1	33	26
COMSC	DIST	49	31	63	2	1	50	26
PHYSO	DIST	139	86	62	8	4	50	24
FREN	DIST	226	156	69	18	10	56	24
A & P	DIST	108	82	76	13	9	69	10
LABOR	DIST	223	204	91	6	5	83	9
MACH	DIST	479	364	76	14	10	71	6
TECH	DIST	42	34	81	0	0	0	0
SPECL	DIST	0	0	0	0	0	0	0
RIBE	DIST	0	0	0	0	0	0	0
REC	DIST	0	0	0	0	0	0	0
PET	DIST	0	0	0	0	0	0	0
P.E.C.	DIST	0	0	0	0	0	0	0
P ED	DIST	4248	3007	71	0	0	0	0
OTA	DIST	0	0	0	0	0	0	0
MIL S	DIST	5	4	80	0	0	0	0
MFG/D	DIST	46	29	63	0	0	0	0
JOURN	DIST	104	62	60	5	3	60	0
I/DIS	DIST	69	60	87	0	0	0	0
I A	DIST	0	0	0	0	0	0	0
GLAZ	DIST	20	18	90	0	0	0	0
ENVIR	DIST	48	32	67	1	0	0	0
DISP	DIST	91	91	100	0	0	0	0
CORCT	DIST	82	80	98	0	0	0	0
CAB	DIST	0	0	0	0	0	0	0
BRICK	DIST	11	11	100	0	0	0	0
BOT	DIST	50	23	46	1	0	0	0
AUTMN	DIST	1	1	100	1	1	100	0
ATH/W	DIST	41	36	88	0	0	0	0
ATH/M	DIST	284	210	74	0	0	0	0
AS	DIST	1	0	0	0	0	0	0
MICRO	DIST	157	107	68	11	8	73	-7
L S	DIST	699	315	45	24	12	50	-10
PHOTO	DIST	225	157	70	5	4	80	-13
COS	DIST	166	143	86	4	4	100	-14
W E	DIST	58	45	80	2	2	100	-20
ANTH	DIST	65	41	63	7	6	86	-27
DANCE	DIST	364	220	60	2	2	100	-40
GERM	DIST	27	7	26	4	2	50	-48
SUPR	DIST	0	0	0	12	10	83	-100
METEO	DIST	0	0	0	2	1	50	-100
LIB	DIST	0	0	0	7	1	14	-100
LATIN	DIST	0	0	0	1	1	100	-100
ITV	DIST	0	0	0	8	7	88	-100
TOTAL					424	213	37	15
TOTAL	EVC	28559	18117	63				
TOTAL	SJCC	29739	19929	67				
TOTAL	DIST	58298	38046	65	7287	3685	51	29

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SUCCESS RATES FOR STUDENTS MEETING ALL PREREQUISITES COMPARED TO SUCCESS RATES FOR STUDENTS INSISTING ON TAKING CLASSES ABOVE PREREQUISITE LEVELS FOR FALL 1991

San Jose/Evergreen Community College District

By

Jon Kangas May 28, 1992

					S89		F89		S90		F90		S91		F91		CUMULATIVE SI			
DISC	COLL	TOT#	#SUC	%SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	%SUC	%DIFF*
A & P	EVC	108	82	76																
A & P	SJCC	0	0	0																
A & P	DIST	108	82	76	7	4	0	0	1	1	0	0	3	3	2	1	13	9	69	10
A J	EVC	493	318	65																
A J	SJCC	340	239	70																
A J	DIST	833	557	67	9	3	24	7	15	5	30	13	44	20	34	19	156	67	43	56
ACCTG	EVC	703	381	54																
ACCTG	SJCC	519	322	62																
ACCTG	DIST	1222	703	58	28	11	18	6	20	6	18	6	40	18	37	27	161	74	46	26
AIR C	EVC	0	0	0																
AIR C	SJCC	291	231	79																
AIR C	DIST	291	231	79	13	8	11	7	3	2	5	5	15	12	8	4	55	38	69	14
ANAT	EVC	104	57	55																
ANAT	SJCC	31	19	61																
ANAT	DIST	135	76	56	0	0	1	0	1	0	0	0	4	3	1	0	7	3	43	31
ANTH	EVC	49	29	59																
ANTH	SJCC	16	12	75																
ANTH	DIST	65	41	63	1	1	3	3	0	0	0	0	1	0	2	2	7	6	86	-27
ART	EVC	374	271	72																
ART	SJCC	416	301	72																
ART	DIST	790	572	72	4	3	5	4	3	2	6	3	7	6	11	7	36	25	69	4
AS	EVC	0	0	0																
AS	SJCC	0	0	0																
AS	DIST	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASTRO	EVC	118	44	37																
ASTRO	SJCC	96	52	54																
ASTRO	DIST	214	96	45	3	1	3	1	4	0	5	2	0	0	5	2	20	6	30	50
ATH/M	EVC	0	0	0																
ATH/M	SJCC	284	210	74																
ATH/M	DIST	284	210	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATH/W	EVC	0	0	0																
ATH/W	SJCC	41	36	88																
ATH/W	DIST	41	36	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AUTMN	EVC	0	0	0																
AUTMN	SJCC	1	1	100																
AUTMN	DIST	1	1	100	0	0	0	0	0	0	0	0	0	0	1	1	1	1	100	0

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SUCCESS RATES FOR STUDENTS MEETING ALL PREREQUISITES COMPARED TO SUCCESS RATES FOR STUDENTS INSISTING ON TAKING CLASSES ABOVE PREREQUISITE LEVELS FOR FALL 1991
San Jose/Evergreen Community College District
By
Jon Kangas May 28, 1992

					S89		F89		S90		F90		S91		F91		CUMULATIVE SI			
DISC	COLL	TOT#	#SUC	%SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	%SUC	%DIFF*
AUTO	EVC	697	508	73																
AUTO	SJCC	0	0	0																
AUTO	DIST	697	508	73	9	7	9	5	12	9	10	9	16	12	28	16	84	58	69	6
B I S	EVC	869	486	56																
B I S	SJCC	0	0	0																
B I S	DIST	869	486	56	0	0	0	0	0	0	34	22	48	25	28	20	110	67	61	-8
BIOL	EVC	247	132	53																
BIOL	SJCC	194	117	60																
BIOL	DIST	441	249	56	8	4	5	1	2	2	9	5	8	4	3	2	35	18	51	9
BOT	EVC	50	23	46																
BOT	SJCC	0	0	0																
BOT	DIST	50	23	46	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
BRICK	EVC	0	0	0																
BRICK	SJCC	11	11	100																
BRICK	DIST	11	11	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BUS	EVC	470	312	66																
BUS	SJCC	942	461	49																
BUS	DIST	1412	773	55	59	19	27	14	42	11	37	8	30	15	29	8	224	75	33	64
C T	EVC	40	28	70																
C T	SJCC	106	82	77																
C T	DIST	146	110	75	4	0	1	0	2	2	4	2	4	1	1	1	16	6	38	100
CAB	EVC	0	0	0																
CAB	SJCC	0	0	0																
CAB	DIST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CADD	EVC	335	260	78																
CADD	SJCC	0	0	0																
CADD	DIST	335	260	78	0	0	0	0	0	0	0	0	0	0	12	6	12	6	50	56
CHEM	EVC	466	289	62																
CHEM	SJCC	219	150	68																
CHEM	DIST	685	439	64	13	9	9	4	12	8	29	16	19	13	20	11	102	61	60	7
CIS	EVC	730	441	60																
CIS	SJCC	1387	1004	72																
CIS	DIST	2117	1445	68	62	31	36	18	38	19	49	23	59	27	58	31	302	149	49	38
CNSTR	EVC	0	0	0																
CNSTR	SJCC	223	158	71																
CNSTR	DIST	223	158	71	16	12	2	1	5	2	7	6	8	5	4	3	42	29	69	3

SUCCESS RATES FOR STUDENTS MEETING ALL PREREQUISITES COMPARED TO SUCCESS RATES FOR STUDENTS INSISTING ON TAKING CLASSES ABOVE PREREQUISITE LEVELS FOR FALL 1991
San Jose/Evergreen Community College District
By
Jon Kangas May 28, 1992

					S89		F89		S90		F90		S91		F91		CUMULATIVE SI			
DISC	COLL	TOT#	#SUC	%SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	%SUC	%DIFF*
COM S	EVC	690	495	72																
COM S	SJCC	0	0	0																
COM S	DIST	690	495	72	8	5	6	4	14	6	12	5	22	11	13	7	75	38	51	42
COMSC	EVC	49	31	63																
COMSC	SJCC	0	0	0																
COMSC	DIST	49	31	63	0	0	0	0	0	0	0	0	2	1	0	0	2	1	50	26
CORCT	EVC	82	80	98																
CORCT	SJCC	0	0	0																
CORCT	DIST	82	80	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COS	EVC	0	0	0																
COS	SJCC	166	143	86																
COS	DIST	166	143	86	0	0	2	2	2	2	0	0	0	0	0	0	4	4	100	-14
DANCE	EVC	168	106	63																
DANCE	SJCC	196	114	58																
DANCE	DIST	364	220	60	2	2	0	0	0	0	0	0	0	0	0	0	2	2	100	-40
DENT	EVC	0	0	0																
DENT	SJCC	478	449	94																
DENT	DIST	478	449	94	0	0	0	0	0	0	0	0	0	0	4	1	4	1	25	276
DISP	EVC	91	91	100																
DISP	SJCC	0	0	0																
DISP	DIST	91	91	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DRAFT	EVC	0	0	0																
DRAFT	SJCC	45	35	78																
DRAFT	DIST	45	35	78	16	10	4	1	3	0	6	4	6	5	2	1	37	21	57	37
DRAMA	EVC	88	78	89																
DRAMA	SJCC	252	194	77																
DRAMA	DIST	340	272	80	11	5	5	4	5	2	6	3	5	2	5	3	37	19	51	56
E C E	EVC	0	0	0																
E C E	SJCC	812	637	78																
E C E	DIST	812	637	78	19	17	12	7	14	11	14	12	44	29	37	22	140	98	70	11
E S L	EVC	2130	1481	70																
E S L	SJCC	3259	2169	67																
E S L	DIST	5389	3650	68	90	59	82	55	86	50	109	65	183	123	107	65	657	417	63	7
ECON	EVC	389	307	79																
ECON	SJCC	305	228	75																
ECON	DIST	694	535	77	5	1	7	1	5	4	6	3	16	6	10	4	49	19	39	99

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SUCCESS RATES FOR STUDENTS MEETING ALL PREREQUISITES COMPARED TO SUCCESS RATES FOR STUDENTS INSISTING ON TAKING CLASSES ABOVE PREREQUISITE LEVELS FOR FALL 1991
San Jose/Evergreen Community College District
By
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					S89		F89		S90		F90		S91		F91		CUMULATIVE SI			
DISC	COLL	TOT#	#SUC	%SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	%SUC	%DIFF
ELECT	EVC	141	98	70																
ELECT	SJCC	528	367	70																
ELECT	DIST	669	465	70	31	16	16	8	21	13	24	11	28	17	11	5	131	70	53	31
ENGL	EVC	5251	2448	47																
ENGL	SJCC	2702	1481	55																
ENGL	DIST	7953	3929	49	199	95	247	125	265	134	387	207	348	192	422	223	1868	976	52	-6
ENGR	EVC	232	145	63																
ENGR	SJCC	0	0	0																
ENGR	DIST	232	145	63	5	1	9	2	3	2	3	1	8	6	15	12	43	24	56	13
ENGRT	EVC	41	25	61																
ENGRT	SJCC	0	0	0																
ENGRT	DIST	41	25	61	0	0	0	0	0	0	4	2	0	0	4	0	8	2	25	144
ENVIR	EVC	28	19	68																
ENVIR	SJCC	20	13	65																
ENVIR	DIST	48	32	67	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0
F C S	EVC	418	275	66																
F C S	SJCC	173	123	71																
F C S	DIST	591	398	67	22	12	23	13	14	7	33	20	31	19	30	23	153	94	61	9
FREN	EVC	74	54	73																
FREN	SJCC	152	102	67																
FREN	DIST	226	156	69	2	0	3	1	3	3	2	2	2	0	6	4	18	10	56	24
GEOG	EVC	83	65	78																
GEOG	SJCC	103	59	57																
GEOG	DIST	186	124	67	0	0	0	0	0	0	1	0	2	2	3	1	6	3	50	34
GEOL	EVC	0	0	0																
GEOL	SJCC	38	16	42																
GEOL	DIST	38	16	42	0	0	1	1	1	0	1	0	0	0	0	0	3	1	33	26
GERM	EVC	0	0	0																
GERM	SJCC	27	7	26																
GERM	DIST	27	7	26	0	0	0	0	0	0	0	0	1	1	3	1	4	2	50	-48
GLAZ	EVC	0	0	0																
GLAZ	SJCC	20	18	90																
GLAZ	DIST	20	18	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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San Jose/Evergreen Community College District
By
Jon Kangas May 28, 1992

					S89		F89		S90		F90		S91		F91		CUMULATIVE SI			
DISC	COLL	TOT#	#SUC	%SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	%SUC	%DIFF*
GUIDE	EVC	769	528	69																
GUIDE	SJCC	496	343	69																
GUIDE	DIST	1265	871	69	9	3	7	0	5	1	15	8	7	5	23	15	66	32	48	42
H ED	EVC	455	237	52																
H ED	SJCC	390	271	69																
H ED	DIST	845	508	60	20	6	13	4	17	8	20	8	34	11	28	12	132	49	37	62
H SCI	EVC	0	0	0																
H SCI	SJCC	395	353	89																
H SCI	DIST	395	353	89	0	0	4	2	2	1	3	1	0	0	2	2	11	6	55	63
HIST	EVC	927	534	58																
HIST	SJCC	1202	720	60																
HIST	DIST	2129	1254	59	32	11	50	20	39	11	42	12	45	10	64	21	272	85	31	89
HUMNT	EVC	0	0	0																
HUMNT	SJCC	288	199	69																
HUMNT	DIST	288	199	69	3	1	0	0	2	0	4	2	7	3	8	2	24	8	33	107
I A	EVC	0	0	0																
I A	SJCC	0	0	0																
I A	DIST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I I	EVC	124	66	53																
I I	SJCC	0	0	0																
I I	DIST	124	66	53	10	5	11	7	8	3	17	10	1	0	4	3	51	28	55	-3
ITV	EVC	0	0	0																
ITV	SJCC	0	0	0																
ITV	DIST	0	0	0	5	5	0	0	0	0	1	0	2	2	0	0	8	7	88	-100
I/DIS	EVC	69	60	87																
I/DIS	SJCC	0	0	0																
I/DIS	DIST	69	60	87	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
JAPAN	EVC	0	0	0																
JAPAN	SJCC	84	51	61																
JAPAN	DIST	84	51	61	4	0	2	0	2	1	3	2	8	4	3	0	22	7	32	92
JOURN	EVC	69	41	59																
JOURN	SJCC	35	21	60																
JOURN	DIST	104	62	60	0	0	0	0	0	0	2	0	1	1	2	2	5	3	60	0

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					S89		F89		S90		F90		S91		F91		CUMULATIVE SI			
DISC	COLL	TOT#	#SUC	%SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	%SUC	%DIFF*
L E	EVC	1061	1022	96																
L E	SJCC	0	0	0																
L E	DIST	1061	1022	96	2	0	2	0	1	0	1	1	6	3	5	5	17	9	53	81
L S	EVC	0	0	0																
L S	SJCC	699	315	45																
L S	DIST	699	315	45	1	0	6	3	4	1	2	2	4	4	7	2	24	12	50	-10
LABOR	EVC	0	0	0																
LABOR	SJCC	223	204	91																
LABOR	DIST	223	204	91	1	1	0	0	0	0	2	2	2	1	1	1	6	5	83	9
LASER	EVC	0	0	0																
LASER	SJCC	37	20	54																
LASER	DIST	37	20	54	1	1	4	2	0	0	1	0	1	0	1	0	8	3	38	44
LATIN	EVC	0	0	0																
LATIN	SJCC	0	0	0																
LATIN	DIST	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	100	-100
LIB	EVC	0	0	0																
LIB	SJCC	0	0	0																
LIB	DIST	0	0	0	3	0	0	0	1	1	2	0	1	0	0	0	7	1	14	-100
M/S	EVC	21	12	57																
M/S	SJCC	428	380	89																
M/S	DIST	449	392	87	0	0	0	0	5	3	3	2	7	5	3	0	18	10	56	57
MACH	EVC	0	0	0																
MACH	SJCC	479	364	76																
MACH	DIST	479	364	76	4	3	1	1	0	0	2	2	5	4	2	0	14	10	71	6
MATH	EVC	2817	1700	60																
MATH	SJCC	2576	1441	56																
MATH	DIST	5393	3141	58	126	48	122	49	142	57	176	83	226	99	197	98	989	434	44	32
MFG/D	EVC	46	29	63																
MFG/D	SJCC	0	0	0																
MFG/D	DIST	46	29	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
METEO	EVC	0	0	0																
METEO	SJCC	0	0	0																
METEO	DIST	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	2	1	50	-100

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					S89		F89		S90		F90		S91		F91		CUMULATIVE SI			
DISC	COLL	TOT#	#SUC	%SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	%SUC	%DIFF*
MICRO	EVC	124	85	69																
MICRO	SJCC	33	22	67																
MICRO	DIST	157	107	68	2	0	0	0	3	3	3	3	0	0	3	2	11	8	73	-7
MIL S	EVC	0	0	0																
MIL S	SJCC	5	4	80																
MIL S	DIST	5	4	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MKTG	EVC	0	0	0																
MKTG	SJCC	173	120	69																
MKTG	DIST	173	120	69	3	2	4	2	3	2	2	0	8	2	5	1	25	9	36	92
MUSIC	EVC	446	332	74																
MUSIC	SJCC	1449	1213	84																
MUSIC	DIST	1895	1545	82	25	14	6	4	7	5	14	7	12	7	10	5	74	42	57	44
N S	EVC	428	193	45																
N S	SJCC	77	39	51																
N S	DIST	505	232	46	7	2	2	0	5	1	5	3	8	2	6	2	33	10	30	52
NURS	EVC	639	530	83																
NURS	SJCC	0	0	0																
NURS	DIST	639	530	83	5	2	3	2	3	3	6	3	5	2	7	4	29	16	55	50
OCEAN	EVC	71	42	59																
OCEAN	SJCC	0	0	0																
OCEAN	DIST	71	42	59	2	0	0	0	2	1	0	0	2	1	0	0	6	2	33	77
OTA	EVC	0	0	0																
OTA	SJCC	0	0	0																
OTA	DIST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P ED	EVC	1719	1279	74																
P ED	SJCC	2529	1728	68																
P ED	DIST	4248	3007	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.E.C.	EVC	0	0	0																
P.E.C.	SJCC	0	0	0																
P.E.C.	DIST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PET	EVC	0	0	0																
PET	SJCC	0	0	0																
PET	DIST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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DISC	COLL	TOT#	#SUC	%SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	%SUC	%DIFF*
PHIL	EVC	399	299	75																
PHIL	SJCC	277	195	70																
PHIL	DIST	676	494	73	8	6	1	1	4	0	2	1	14	6	8	5	37	19	51	42
PHOTO	EVC	55	45	82																
PHOTO	SJCC	170	112	66																
PHOTO	DIST	225	157	70	1	1	2	2	0	0	1	0	1	1	3	1	8	5	63	12
PHYS	EVC	229	177	77																
PHYS	SJCC	257	193	75																
PHYS	DIST	486	370	76	3	1	4	1	6	4	4	2	12	11	10	7	39	26	67	14
PHYSC	EVC	25	14	56																
PHYSC	SJCC	0	0	0																
PHYSC	DIST	25	14	56	0	0	1	0	0	0	5	2	0	0	0	0	6	2	33	68
PHYSO	EVC	108	63	58																
PHYSO	SJCC	31	23	74																
PHYSO	DIST	139	86	62	2	0	0	0	1	1	1	1	2	0	2	2	8	4	50	24
POLSC	EVC	306	190	62																
POLSC	SJCC	190	125	66																
POLSC	DIST	496	315	64	13	6	10	3	8	4	7	0	14	9	8	4	60	26	43	48
PSYCH	EVC	604	331	55																
PSYCH	SJCC	559	354	63																
PSYCH	DIST	1163	685	59	34	14	28	12	21	8	32	11	40	16	32	11	187	72	39	53
R EST	EVC	147	95	65																
R EST	SJCC	312	222	71																
R EST	DIST	459	317	69	28	16	17	6	17	10	16	9	9	6	19	12	106	59	56	24
REC	EVC	0	0	0																
REC	SJCC	0	0	0																
REC	DIST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RIBE	EVC	0	0	0																
RIBE	SJCC	0	0	0																
RIBE	DIST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S L	EVC	68	44	65																
S L	SJCC	121	76	63																
S L	DIST	189	120	63	10	7	4	3	2	2	5	4	8	4	9	1	38	21	55	14

SUCCESS RATES FOR STUDENTS MEETING ALL PREREQUISITES COMPARED TO SUCCESS RATES FOR STUDENTS INSISTING ON TAKING CLASSES ABOVE PREREQUISITE LEVELS FOR FALL 1991

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					S89		F89		S90		F90		S91		F91		CUMULATIVE SI			
DISC	COLL	TOT#	#SUC	%SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	#SI	#SUC	%SUC	%DIFF*
S SCI	EVC	614	383	62																
S SCI	SJCC	299	208	70																
S SCI	DIST	913	591	65	10	3	10	10	23	15	13	8	17	7	39	15	112	58	52	26
SOC	EVC	126	89	71																
SOC	SJCC	91	65	71																
SOC	DIST	217	154	71	5	2	4	0	1	1	3	2	8	4	3	1	24	10	42	70
SP	EVC	55	40	73																
SP	SJCC	442	278	63																
SP	DIST	497	318	64	13	9	13	7	7	1	11	5	14	9	11	5	69	36	52	23
SPAN	EVC	364	203	56																
SPAN	SJCC	414	265	64																
SPAN	DIST	778	458	60	9	5	6	3	10	3	19	7	15	7	8	2	67	27	40	49
SPECL	EVC	0	0	0																
SPECL	SJCC	0	0	0																
SPECL	DIST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUPR	EVC	0	0	0																
SUPR	SJCC	0	0	0																
SUPR	DIST	0	0	0	5	5	7	5	0	0	0	0	0	0	0	0	12	10	83	-100
TECH	EVC	14	13	93																
TECH	SJCC	28	21	75																
TECH	DIST	42	34	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W E	EVC	0	0	0																
W E	SJCC	56	45	80																
W E	DIST	56	45	80	0	0	1	1	0	0	1	1	0	0	0	0	2	2	100	-20
WD PR	EVC	0	0	0																
WD PR	SJCC	111	50	45																
WD PR	DIST	111	50	45	7	4	6	0	7	2	3	2	4	1	3	1	30	10	33	35
TOTAL:	EVC	28559	18117	63																
TOTAL:	SJCC	29739	19929	67																
TOTAL:	DIST	58298	38046	65	1059	519	925	447	955	456	1301	661	1554	825	1493	777	7287	3685	51	29

*The percentage difference calculations were made using unrounded S91 and Cumulative SI numbers and may vary, plus or minus, 4 percentage points from the calculations based on the whole numbers displayed in the table.